

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 14093  
Application ID: 09683929  
Title of Invention: HARDMASK/BARRIER LAYER FOR  
DRY ETCHING CHROME FILMS  
AND IMPROVING POST DEVELOP  
RESIST PROFILES ON  
PHOTOMASKS  
First Named Inventor: Christopher Magg  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-03-04  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: BUR920010052  
Digital Certificate Holder: cn=Richard M. Kotulak, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: 3IljYg8Rj8MZstSr+rjnTQ==  
Total Fees Authorized: \$780.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 90456  
Deposit Account Name: Richard M. Kotulak



# TRANSMITTAL FORM

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Stylesheet Version: 1.0

Submission Type: Utility  
Patent Filing

Attorney Docket  
Number:

BUR920010052



## HARDMASK/BARRIER LAYER FOR DRY ETCHING CHROME FILMS AND IMPROVING POST DEVELOP RESIST PROFILES ON PHOTOMASKS

First Named Inventor: Mr. Christopher K. Magg

### SUBMITTED BY

Name: Richard M. Kotulak  
Registration Number: 27,712  
Electronic Signature Mark: Richard  
M. Kotulak /s/ Date Signed: 20020304

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

declaration BUR920010052USDDec1.tif

declaration	BUR920010052USDec2.tif
specification	BUR920010052US1.xml
bibd-transmittal	BUR920010052US1apds.xml
patent-assignments	BUR920010052US1asgn.xml
fee-transmittal	BUR920010052US1fee.xml

Attached Image File(s):

BUR920010052USDec1.tif

BUR920010052USDec2.tif

20100520 16:26:59

Comments:

Assignee: International Business Machines Corporation Address: Armonk, NY 10504

204000 5268960

(SOLE INVENTOR)

IBM Docket No.: BUR920010052US1

## Declaration and Power of Attorney for Patent Application

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **HARDMASK/BARRIER LAYER FOR DRY ETCHING CHROME FILMS AND IMPROVING POST DEVELOP RESIST PROFILES ON PHOTOMASKS**

the specification of which (check one)



is attached hereto.



was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 USC §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):			
Number	Country	Day/Month/Year	Priority Claimed

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

Application Number	Filing Date
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I hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status (patented, pending, abandoned)
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I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Anthony P. DeLio (Reg. No. 18,729); Peter W. Peterson (Reg. No. 31,867); John J. Tomaszewski (Reg. No. 26,241); Robert Curcio (Reg. No. 44, 638); Kelly M. Reynolds (47,898); Mark F. Chadurjian (Reg. No. 30,739); Richard M. Kotulak (Reg. No. 27,712); James M. Leas (Reg. No. 34, 372); William D. Sabo; (Reg. No. 27,465); Eugene I. Shkurko (Reg. No. 36,678); Robert A. Walsh (Reg. No. 26,516); Howard J. Walter, Jr. (Reg. No. 24,832); Richard A. Henkler (Reg. No. 39,220).

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Address all correspondence to: **DeLIO & PETERSON, LLC**  
121 Whitney Avenue  
New Haven, CT 06510

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(1) Inventor: Christopher K. Magg

Signature:



3/1/2002  
Date

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Address: SAME AS RESIDENCE

ibmb100326000dec

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 780**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 09-0456



Deposit Account Name: International Business Machines Corporation

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Richard M. Kotulak

Electronic Signature Mark: Richard M. Kotulak /s/

Date Signed: 20020304

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40

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